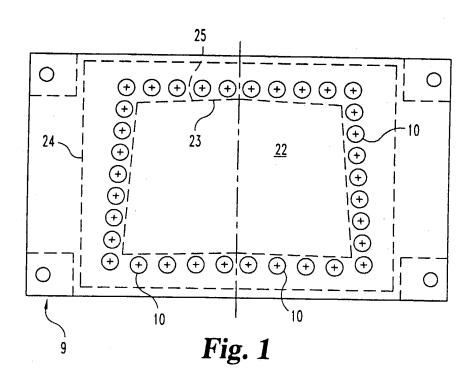
Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 1 of 31



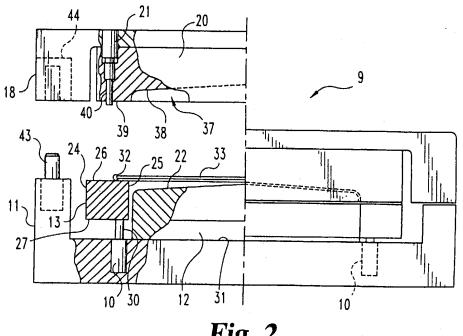


Fig. 2

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 2 of 31

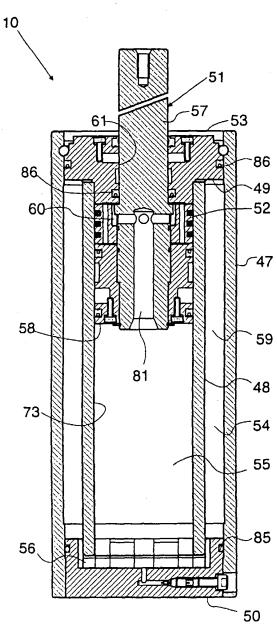


Fig 3

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 3 of 31

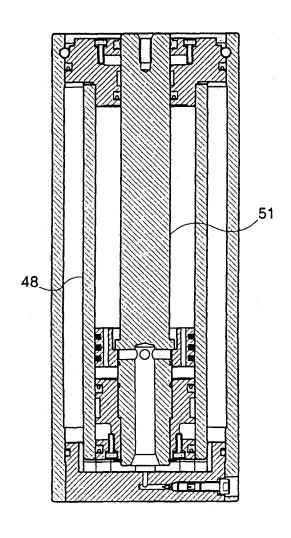


Fig. 4

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 4 of 31

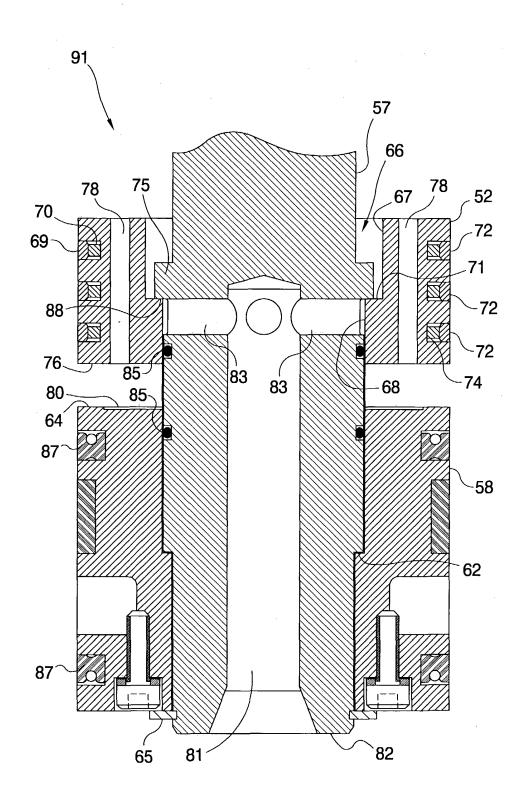


Fig. 5

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 5 of 31

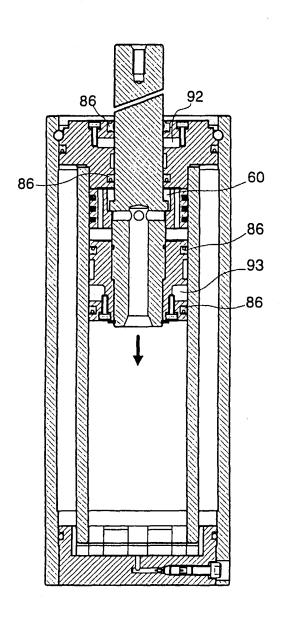


Fig 6

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 6 of 31

17

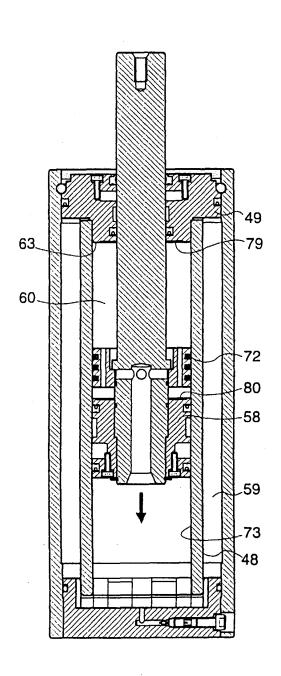


Fig 7

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 7 of 31

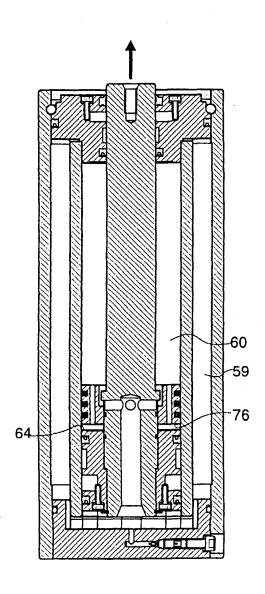


Fig 8

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 8 of 31

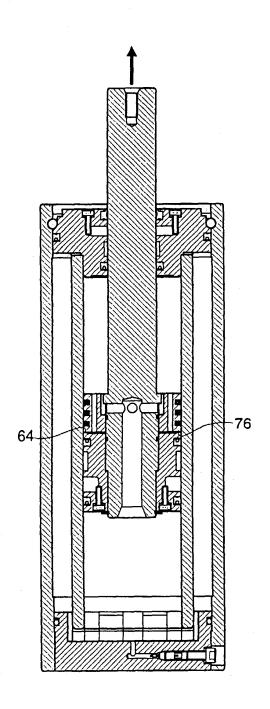


Fig 9

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 9 of 31

Force Chart Soft-Start, Soft-Return Nitrogen Gas Spring (5-Ton x 6" Stroke Model @ 2,000 psi N₂ Charge)

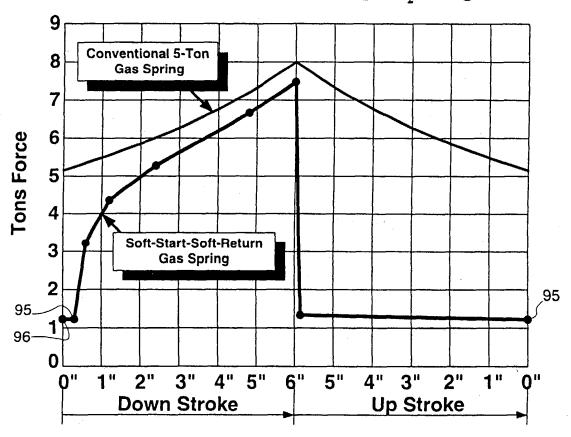
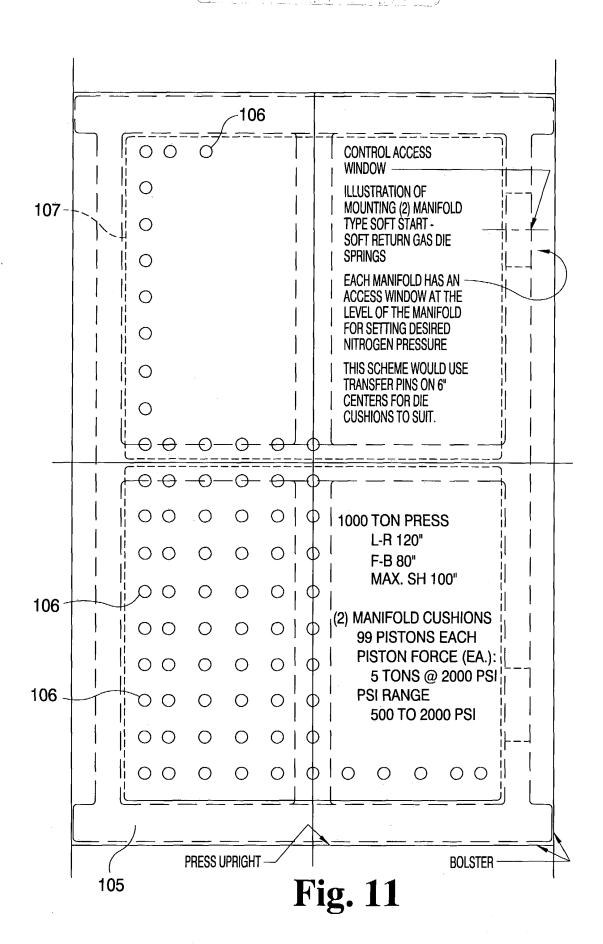


Fig. 10

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Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 11 of 31

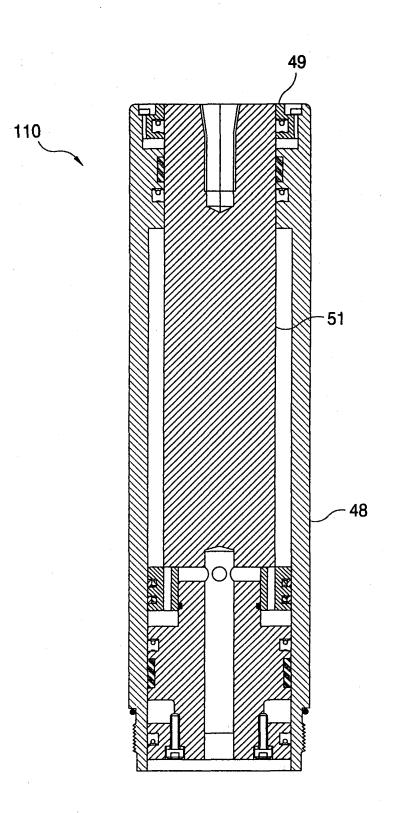


Fig. 12

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 12 of 31 205 203 269 268 249 271 245 258 256 266 259 -257 -209 267 206 230--211 254 -233 253 232 231 -255 -240 250 -210 -226 213 -214 225 202-212 221 Fig. 13

200

243-

242~

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201-

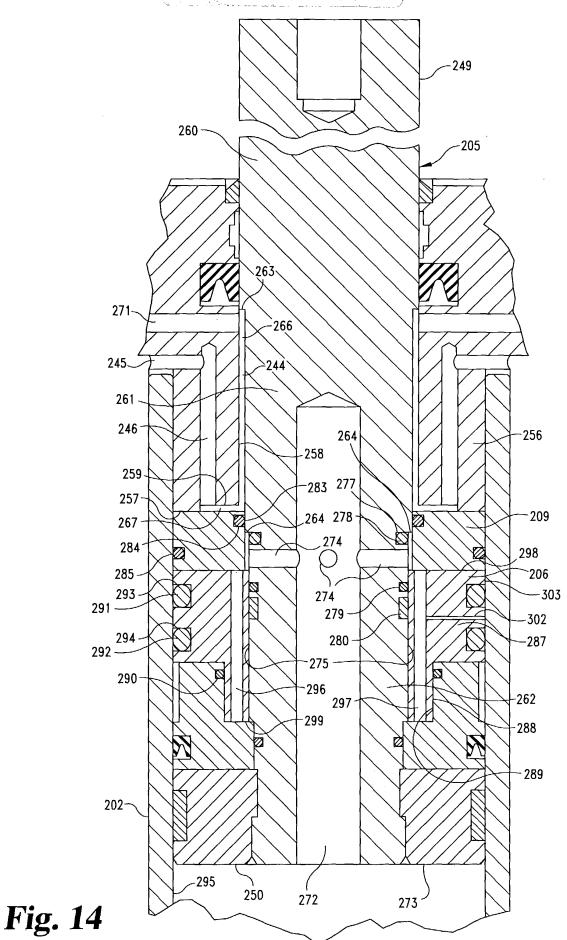
239

227~

229-

237

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Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 14 of 31

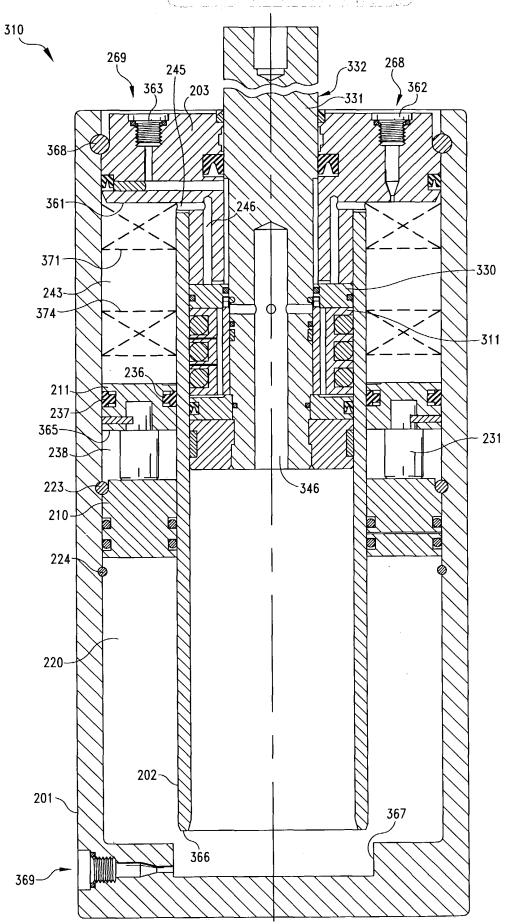


Fig. 15

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 15 of 31

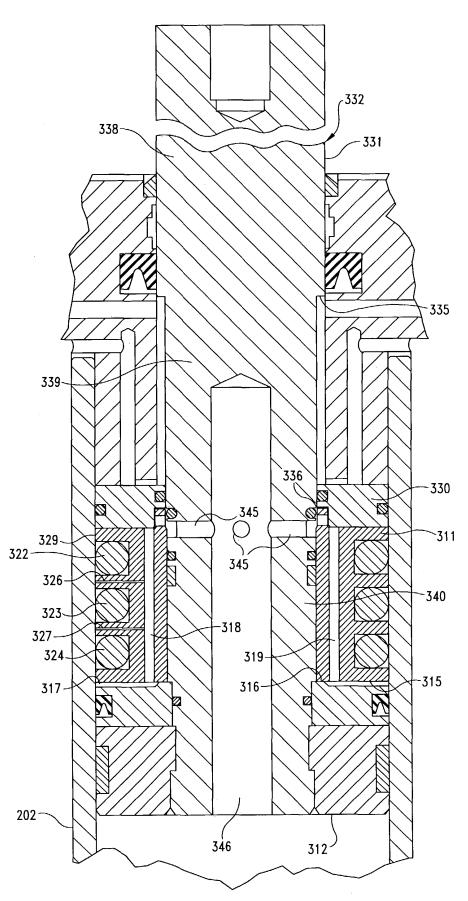


Fig. 16

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 16 of 31

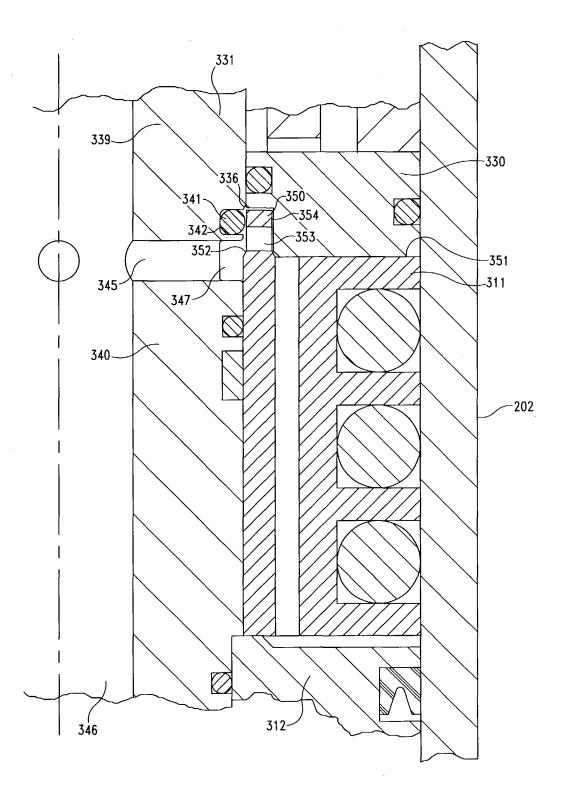


Fig. 17

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 17 of 31

Fig. 18

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 18 of 31

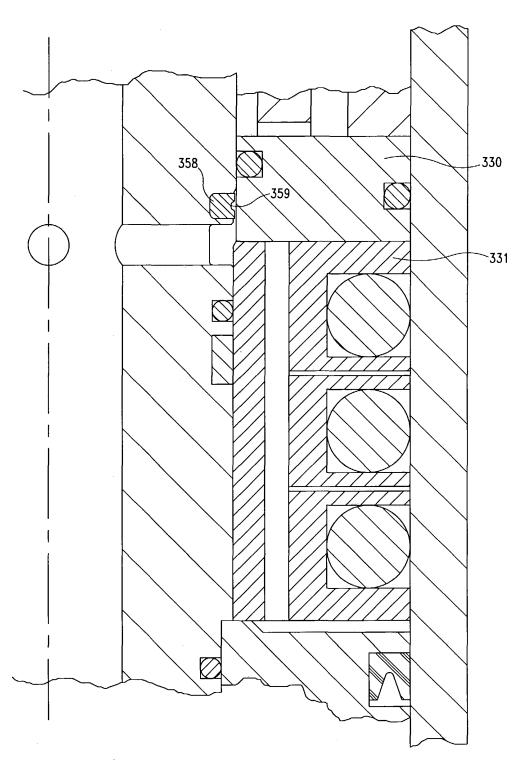
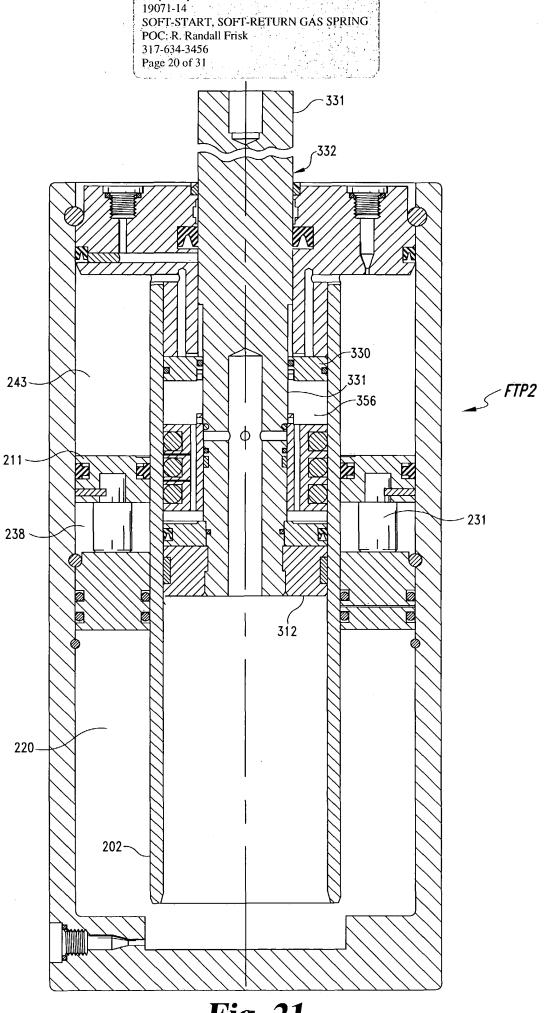


Fig. 19

Ralph Roper 1907.I-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 19 of 31 - 331 332 -330 242 311 φ. -356 211-S FTP1 238-312 -346-220-

Fig. 20



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Fig. 21

POC: R. Randall Frisk 317-634-3456 Page 21 of 31 - 331 203 - 332 245 246-243 -242-244 211-330 356 238 φ 210

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SOFT-START, SOFT-RETURN GAS SPRING

Fig. 22

Ralph Roper 1907.I-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 22 of 31 - 331 332 242 211~ 238 -373 - 330 S FTP3 - 356 - 311 220

Fig. 23

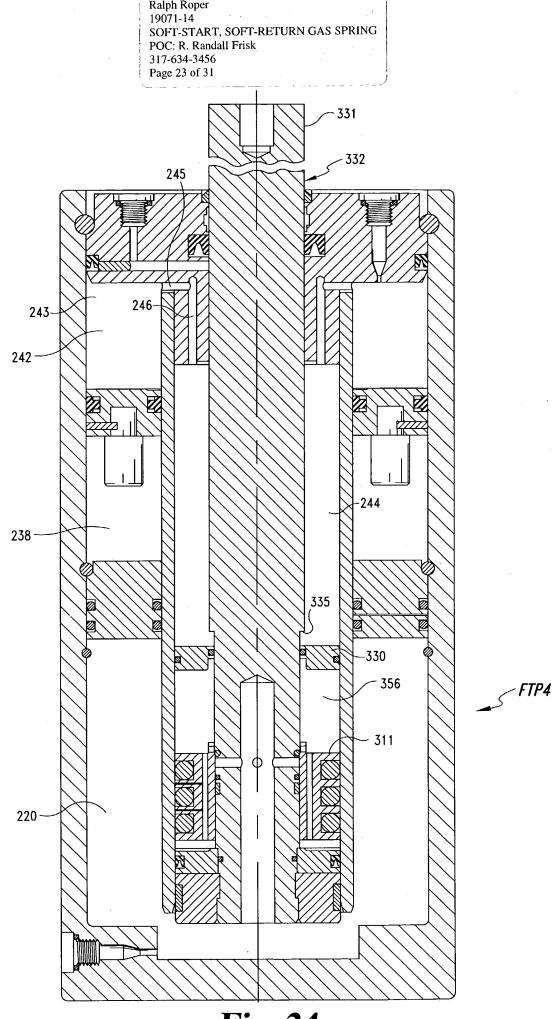


Fig. 24

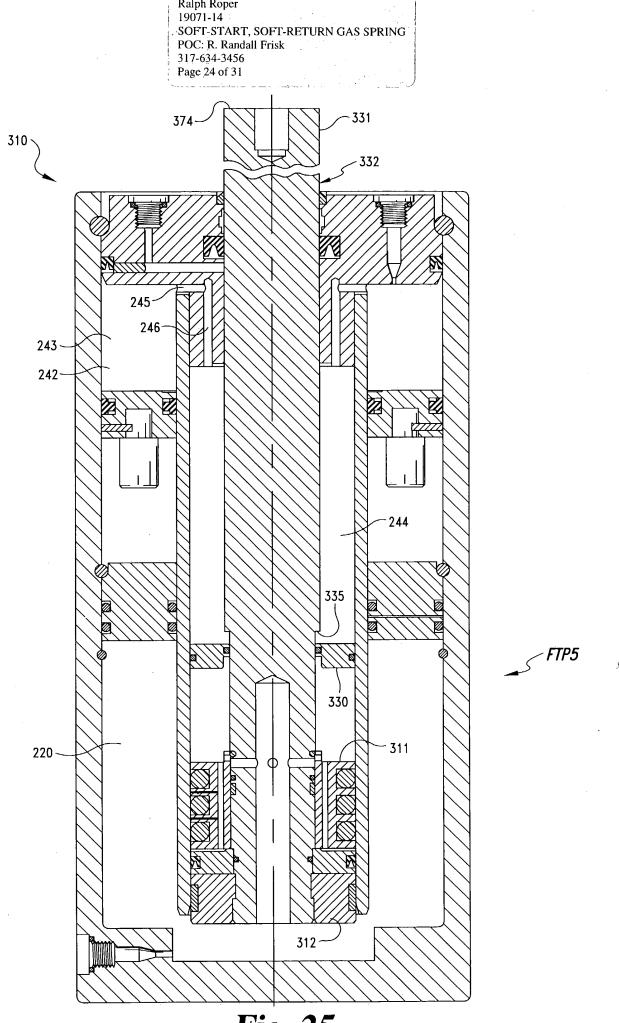


Fig. 25

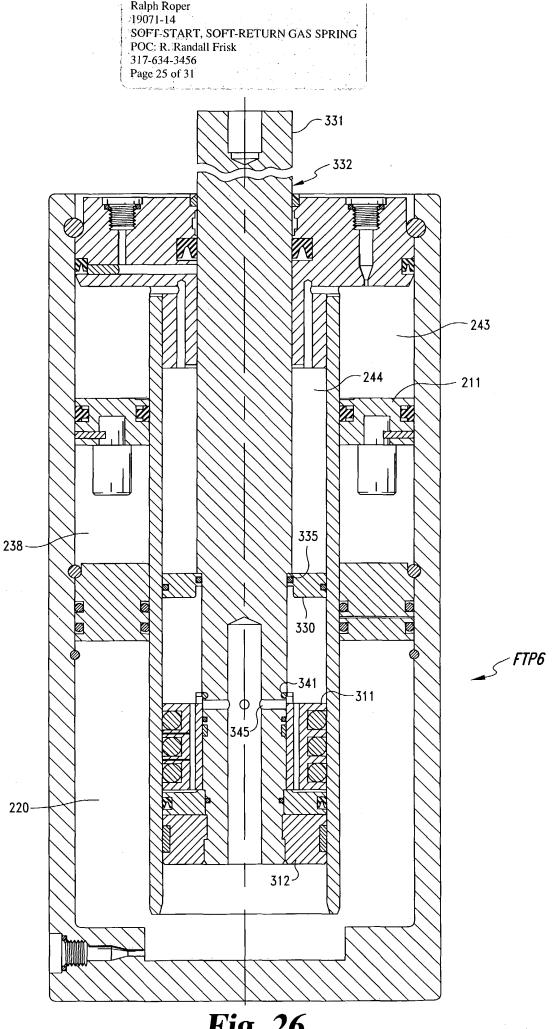


Fig. 26

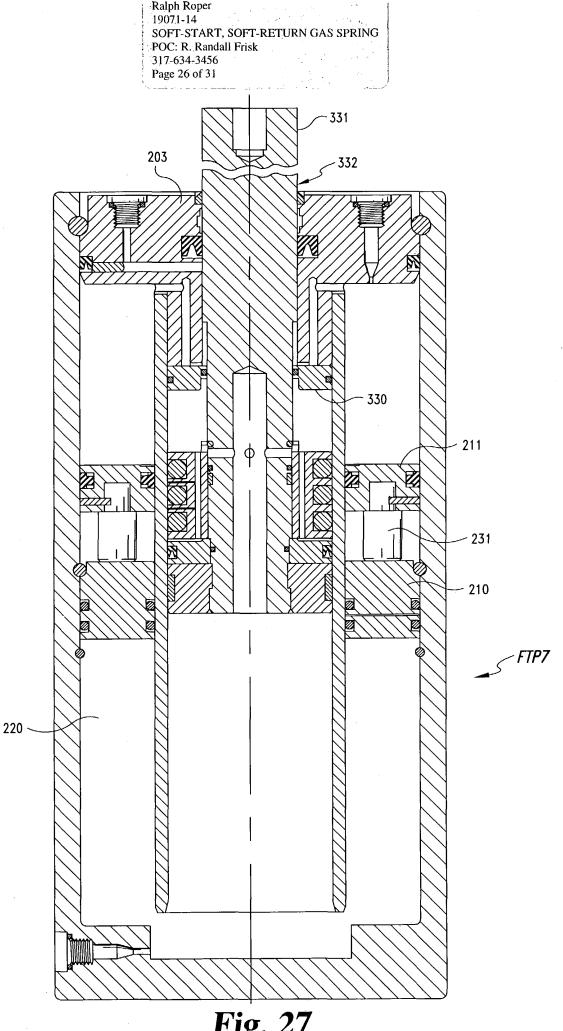


Fig. 27

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 27 of 31

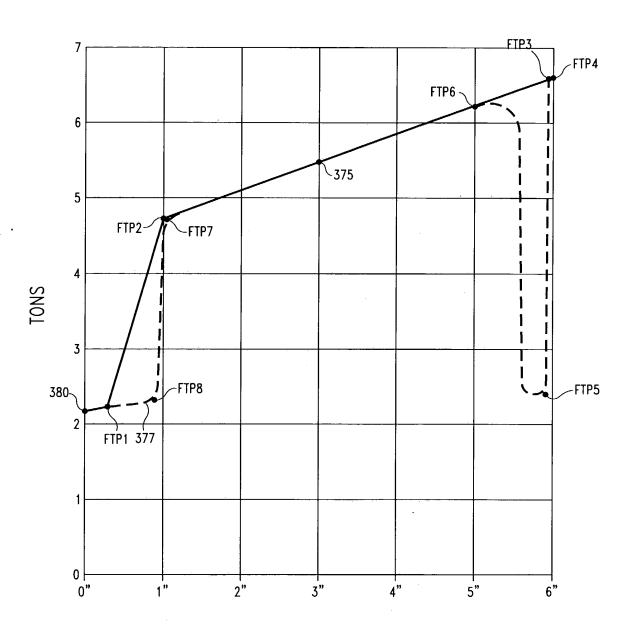
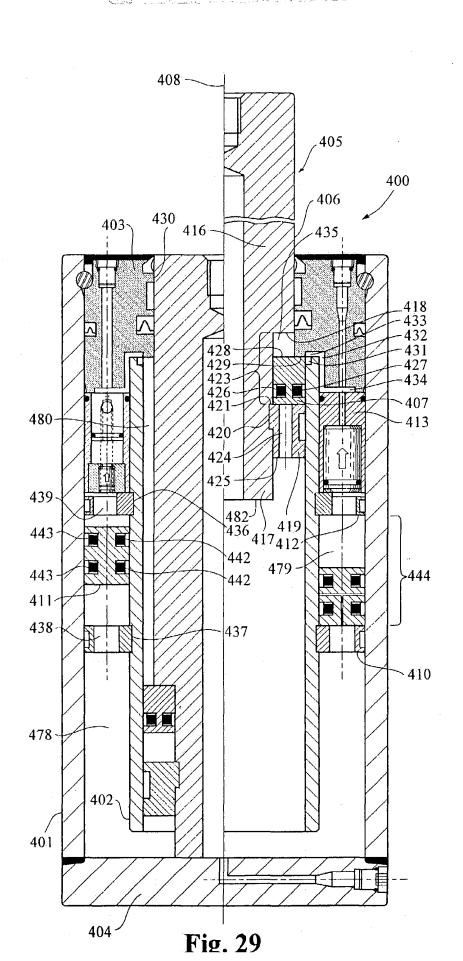
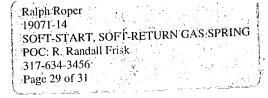
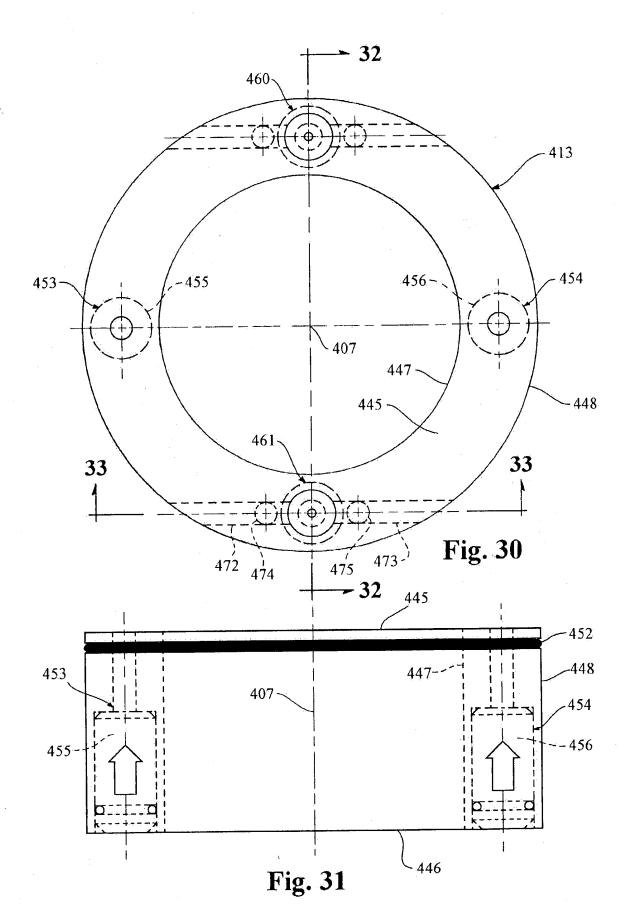


Fig 28

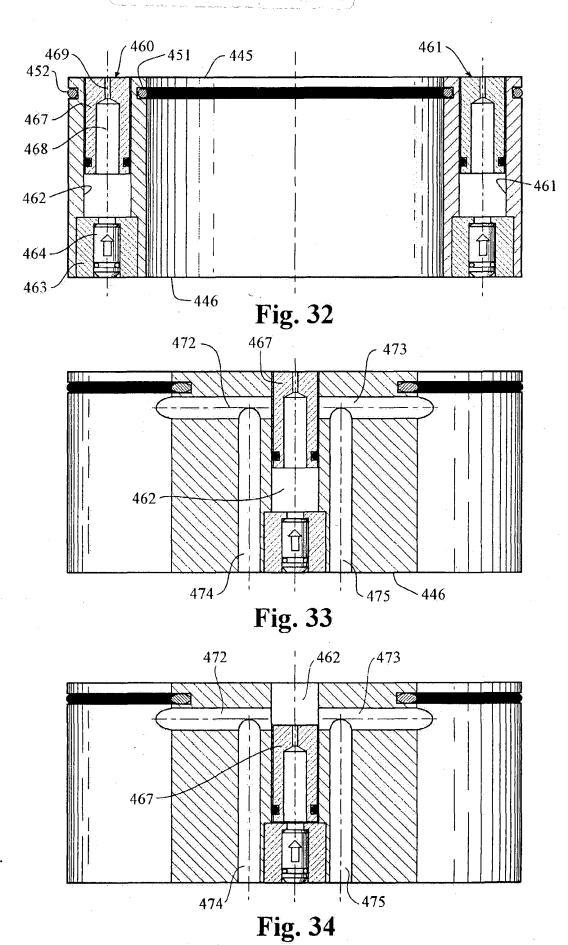
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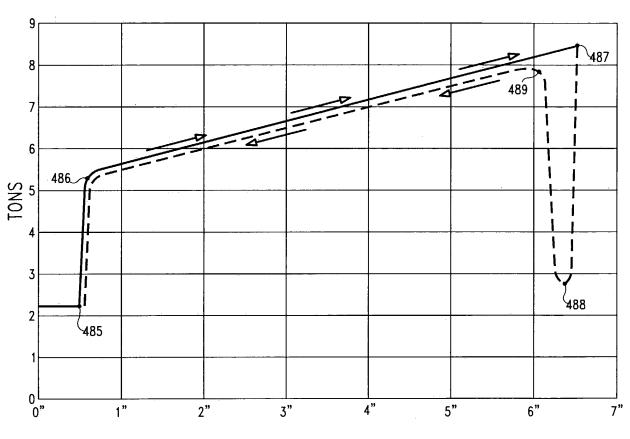


Fig. 35